

The results from this second interim analysis suggest that the mean serum half-life for PFOS was 8.7 years (SD = 6.1; range 2.3-21.3). The mean serum half-life for PFOA was 4.4 years (SD = 3.5; range 1.5-13.5). The mean half-life for PFHS, which was deferred in the first interim report due to inconsistent results, was an uninterpretable -2.27 years (SD = 23.1; range -47.63-30.12). Half-life estimates for both PFOS and PFOA remain higher than those reported in laboratory animals.

This self-consistent data-set based on triplicate analysis of nine retirees allowed for an estimation of the serum fluorochemical half-life for PFOS, PFOA and PFHS with several caveats. Chief among these limitations are the following: no effort was made to determine or control for retiree re-exposure to PFOS, PFOA or PFHS during the study time-period, although retirees were not present in the production plant. Second, because PFOS is a metabolic product of compounds known to be present in the subject's blood, PFOS is possibly being produced in the body during the course of the study. Both